AMENDMENTS TO THE CLAIMS

The listing of the claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method comprising:

receiving content for transmission from a plurality of three or more transmit antennae; and

generating a rate-one, space-frequency code matrix from the received content for transmission via the plurality of three or more transmit antennae to a plurality of receive antennae, wherein the plurality of three or more transmit antennae provide full space-frequency diversity of M*N*L, where M is a number of transmit antenna, N is a number of receiver antenna, L is ~~order of frequency selective channel~~ a number of matrix channel taps.

2-23. (Cancelled)

24. (New) The method of claim 1, wherein the received content is a vector of input symbols of size *Nc* x 1, wherein *Nc* is the number of subcarriers of the multicarrier wireless communication channel.

25. (New) The method of claim 24, wherein generating a rate-one space frequency code matrix comprises:

dividing the vector of input symbols into a number *G* of groups to generate subgroups; and

multiplying at least a subset of the subgroups by a constellation rotation precoder to produce a number *G* of pre-coded vectors (v_g).

26. (New) The method of claim 25, further comprising:

dividing each of the pre-coded vectors into a number of *LM* x *1* subvectors; and

creating an *M* x *M* diagonal matrix $D_{\mathbf{s}_g,k} = diag\{\Theta^T_{M\times(k-1)+1}\mathbf{s}_g,\cdots,\Theta^T_{M\times k}\mathbf{s}_g\}$, where $k=1...L$ from the subvectors.

27. (New) The method of claim 26, further comprising:

interleaving the *L* submatrices from the *G* groups to generate an *M* x *Nc* space-frequency matrix.